

WR-35  
Rev (8-10)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 10/31/2012  
API #: 47-033-05619-00

Farm name: Southern, Edgar

Operator Well No.: Cottrill Unit 1H

LOCATION: Elevation: 1175'

Quadrangle: Wolf Summit

District: Termile

County: Harrison

Latitude: 6090' Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 8394' Feet West of 80 Deg. 27 Min. 30 Sec.

Company: Antero Resources Appalachian Corporation

Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 94#	70'	70'	182 Cu. Ft. Class A
Agent: CT Corporation System				
Inspector: Tristan Jenkins				
Date Permit Issued: 5/24/2012				
Date Well Work Commenced: 7/11/2012				
Date Well Work Completed: 7/12/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary X Cable Rig				
Total Vertical Depth (ft): 70'				
Total Measured Depth (ft): 70'				
Fresh Water Depth (ft.): None encountered				
Salt Water Depth (ft.): None encountered				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): None encountered				
Void(s) encountered (N/Y) Depth(s) No, but void encountered on subsequent well on pad (Cottrill Unit 3H) approximately 210' to 220'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation N/A Pay zone depth (ft) N/A

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

  
Signature

10-31-12  
Date

Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No X

Were N Electrical, N Mechanical, N or Geophysical logs recorded on this well?  
Y/N Y/N Y/N

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		

N/A

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**Office of Oil & Gas**

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**WV Department of**  
**Environmental Protection**

WR-35  
Rev (8-10)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 10/31/2012  
API #: 47-033-05605-00

185

Farm name: Southern, Edgar

Operator Well No.: Cottrill Unit 2H

LOCATION: Elevation: 1175'

Quadrangle: Wolf Summit

District: Tenmile

County: Harrison

Latitude: 6080' Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude 6391' Feet West of 60 Deg. 27 Min. 30 Sec.

Company: Antero Resources Appalachian Corporation

Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 94#	70'	70'	573 Cu. Ft. Class A
Agent: CT Corporation System				
Inspector: Tristan Jenkins				
Date Permit Issued: 5/25/2012				
Date Well Work Commenced: 7/16/2012				
Date Well Work Completed: 7/16/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary X Cable Rig				
Total Vertical Depth (ft): 70'				
Total Measured Depth (ft): 70'				
Fresh Water Depth (ft.): None encountered				
Salt Water Depth (ft.): None encountered				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): None encountered				
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Producing formation N/A Pay zone depth (ft) N/A

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Final open flow \_\_\_ MCF/d Final open flow \_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_ Hours

Static rock Pressure \_\_\_ psig (surface pressure) after \_\_\_ Hours

Second producing formation \_\_\_ Pay zone depth (ft) \_\_\_

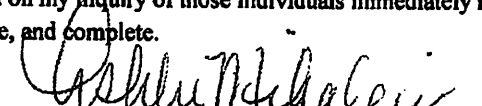
Gas: Initial open flow \_\_\_ MCF/d Oil: Initial open flow \_\_\_ Bbl/d

Final open flow \_\_\_ MCF/d Final open flow \_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_ Hours

Static rock Pressure \_\_\_ psig (surface pressure) after \_\_\_ Hours

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Perforated Intervals, Fracturing, or Stimulating:

N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		

N/A